

09/988384
STN Search Summary

=> d his

FILE 'CAPLUS' ENTERED AT 14:38:59 ON 13 JAN 2004

L1 226 S ?METHYMYCIN OR PIKROMYCIN OR PICROMYCIN OR NARBOMYCIN
L2 41 S L1 AND (POLYKETIDE (2W) SYNTHASE)
L3 37 S L1 (P) (POLYKETIDE (2W) SYNTHASE)
L4 30 S L1 (S) (POLYKETIDE (2W) SYNTHASE)
L5 14 S L4 AND VENEZUELAE
L6 3 S L2 AND PROMOTER
L7 44 S L1 AND GENE
L8 29 S L7 AND POLYKETIDE
L9 26 S L7 AND VENEZUELAE

L6 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:756845 CAPLUS

TI A method for preparing large libraries of polyketides and non-ribosomal peptides using combinations of plasmids carrying genes for different functional domains of the biosynthetic enzymes

IN Santi, Daniel V.; Xue, Qun; Ashley, Gary

PA Kosan Biosciences, Inc., USA

SO PCT Int. Appl., 32 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000063361	A2	20001026	WO 2000-US10021	20000412
	WO 2000063361	A3	20010712		
	EP 1171583	A2	20020116	EP 2000-922192	20000412
	JP 2003504006	T2	20030204	JP 2000-612440	20000412
PRAI	US 1999-129731P	P	19990416		
	WO 2000-US10021	W	20000412		

L6 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1999:764178 CAPLUS

TI Sequence and recombinant narbonolide polyketide synthase applications from Streptomyces venezuelae for creation of useful antibiotics

IN Ashley, Gary; Betlach, Melanie C.; Betlach, Mary; McDaniel, Robert; Tang, Li

PA Kosan Biosciences, Inc., USA

SO PCT Int. Appl., 98 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9961599	A2	19991202	WO 1999-US11814	19990527
	WO 9961599	A3	20000127		
	US 6503741	B1	20030107	US 1998-141908	19980828
	CA 2328427	AA	19991202	CA 1999-2328427	19990527
	AU 9942137	A1	19991213	AU 1999-42137	19990527
	AU 762399	B2	20030626		
	EP 1082439	A2	20010314	EP 1999-925954	19990527
	JP 2002516090	T2	20020604	JP 2000-550984	19990527
	NZ 509006	A	20030926	NZ 1999-509006	19990527
PRAI	US 1998-87080P	P	19980528		
	US 1998-141908	A	19980828		
	US 1998-100880P	P	19980922		
	US 1999-119139P	P	19990208		
	WO 1999-US11814	W	19990527		

L6 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

AN 1997:501482 CAPLUS

TI Polyhydroxyalkanoate synthase recombinant production and novel pathway for polyhydroxyalkanoate synthesis

IN Sherman, David H.; Williams, Mark D.; Xue, Yongquan

PA Regents of the University of Minnesota, USA; Sherman, David H.; Williams, Mark D.; Xue, Yongquan

SO PCT Int. Appl., 90 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9722711	A1	19970626	WO 1996-US20119	19961218
	EP 870053	A1	19981014	EP 1996-944849	19961218
	JP 2000502256	T2	20000229	JP 1997-522970	19961218
	US 6600029	B1	20030729	US 1998-91609	19980619
PRAI	US 1995-8847P	P	19951219		
	WO 1996-US20119	W	19961218		

L9 ANSWER 2 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN

AN 2003:435232 CAPLUS

TI Engineering of recombinant Streptomyces venezuelae narbonolide polyketide synthase for production of novel polyketide products

IN Ashley, Gary; Betlach, Melanie C.; Betlach, Mary; McDaniel, Robert; Tang, Li

PA USA

SO U.S. Pat. Appl. Publ., 74 pp., Cont.-in-part of U. S. Ser. No. 657,440.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003104597	A1	20030605	US 2001-793708	20010222
	US 2002034797	A1	20020321	US 1997-846247	19970430
	US 6391594	B2	20020521		
	US 6558942	B1	20030506	US 1998-73538	19980506
	US 6503741	B1	20030107	US 1998-141908	19980828
	US 6117659	A	20000912	US 1999-320878	19990527
	US 6509455	B1	20030121	US 2000-657440	20000907
	WO 2002097062	A2	20021205	WO 2002-US5642	20020222
	US 2003162262	A1	20030828	US 2002-160539	20020529
PRAI	US 1997-846247	A2	19970430		
	US 1998-73538	A2	19980506		
	US 1998-87080P	P	19980528		
	US 1998-141908	A2	19980828		
	US 1998-100880P	P	19980922		
	US 1999-119139P	P	19990208		
	US 1999-134990P	P	19990520		
	US 1999-320878	A	19990527		
	US 2000-657440	A2	20000907		
	US 1994-238811	A2	19940506		
	US 1995-486645	A1	19950607		
	US 1998-79919P	P	19980305		
	US 2001-793708	A	20010222		

L9 ANSWER 4 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:927567 CAPLUS
 TI Recombinant narbonolide polyketide synthase for the production of
 polyketides useful as antibiotics
 IN Ashley, Gary; Betlach, Melanie C.; Betlach, Mary; McDaniel, Robert; Tang,
 Li
 PA Kosan Biosciences, Inc., USA
 SO PCT Int. Appl., 127 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002097062	A2	20021205	WO 2002-US5642	20020222
	US 2003104597	A1	20030605	US 2001-793708	20010222
PRAI	US 2001-793708	A	20010222		
	US 1997-846247	A2	19970430		
	US 1998-73538	A2	19980506		
	US 1998-87080P	P	19980528		
	US 1998-141908	A2	19980828		
	US 1998-100880P	P	19980922		
	US 1999-119139P	P	19990208		
	US 1999-134990P	P	19990520		
	US 1999-320878	A	19990527		
	US 2000-657440	A2	20000907		

L9 ANSWER 6 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN,
 AN 2002:276140 CAPLUS
 TI Recombinant bacteria producing substances with altered sugar moieties and
 their use for production of these substances
 IN Liu, Hung-Wen; Sherman, David H.; Zhao, Lishan
 PA Regents of the University of Minnesota, USA
 SO PCT Int. Appl., 174 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002029035	A2	20020411	WO 2001-US31255	20011005
	WO 2002029035	A3	20030130		
	AU 2001096652	A5	20020415	AU 2001-96652	20011005
	EP 1325134	A2	20030709	EP 2001-977540	20011005
PRAI	US 2000-238185P	P	20001005		
	WO 2001-US31255	W	20011005		

L9 ANSWER 8 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:392662 CAPLUS
 TI Characterization and analysis of the PikD regulatory factor in the
 pikromycin biosynthetic pathway of Streptomyces venezuelae
 AU Wilson, Daniel J.; Xue, Yongquan; Reynolds, Kevin A.; Sherman, David H.
 SO Journal of Bacteriology (2001), 183(11), 3468-3475

L9 ANSWER 9 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 2001:127810 CAPLUS
 TI The Streptomyces venezuelae pikAV gene contains a
 transcription unit essential for expression of enzymes involved in
 glycosylation of narbonolide and 10-deoxymethynolide
 AU Chen, S.; Roberts, J. B.; Xue, Y.; Sherman, D. H.; Reynolds, K. A.
 SO Gene (2001), 263(1-2), 255-264

June
 Jan

0 L9 ANSWER 10 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2001:79736 CAPLUS
TI Biosynthesis and combinatorial biosynthesis of pikromycin
-related macrolides in Streptomyces venezuelae
AU Xue, Yongquan; Sherman, David H.
SO Metabolic Engineering (2001), 3(1), 15-26

243 L9 ANSWER 13 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:152485 CAPLUS
TI Genetic architecture of the polyketide synthases for methymycin
and pikromycin series macrolides
AU Xue, Y.; Wilson, D.; Sherman, D. H.
SO Gene (2000), 245(1), 203-211

L9 ANSWER 14 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 2000:15381 CAPLUS
TI Gene clusters encoding proteins involved in methymycin
and pikromycin and desosamine biosynthesis from Streptomyces
venezuelae
IN Sherman, David H.; Liu, Hung-Wen; Xue, Yongquan; Zhao, Lishan
PA Regents of the University of Minnesota, USA
SO PCT Int. Appl., 438 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000000620	A2	20000106	WO 1999-US14398	19990625
	WO 2000000620	A3	20000413		
	US 6265202	B1	20010724	US 1998-105537	19980626
	AU 9947199	A1	20000117	AU 1999-47199	19990625
	EP 1090125	A2	20010411	EP 1999-930718	19990625
	JP 2002536959	T2	20021105	JP 2000-557373	19990625
	US 2003073824	A1	20030417	US 2001-988384	20011119
PRAI	US 1998-105537	A2	19980626		
	WO 1999-US14398	W	19990625		

L9 ANSWER 15 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
AN 1999:764178 CAPLUS
TI Sequence and recombinant narbonolide polyketide synthase applications from
Streptomyces venezuelae for creation of useful antibiotics
IN Ashley, Gary; Betlach, Melanie C.; Betlach, Mary; McDaniel, Robert; Tang,
Li

SO PCT Int. Appl., 98 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9961599	A2	19991202	WO 1999-US11814	19990527
	WO 9961599	A3	20000127		
	US 6503741	B1	20030107	US 1998-141908	19980828
	CA 2328427	AA	19991202	CA 1999-2328427	19990527
	AU 9942137	A1	19991213	AU 1999-42137	19990527
	AU 762399	B2	20030626		
	EP 1082439	A2	20010314	EP 1999-925954	19990527FI
	JP 2002516090	T2	20020604	JP 2000-550984	19990527
	NZ 509006	A	20030926	NZ 1999-509006	19990527
PRAI	US 1998-87080P	P	19980528		
	US 1998-141908	A	19980828		
	US 1998-100880P	P	19980922		
	US 1999-119139P	P	19990208		
	WO 1999-US11814	W	19990527		

L9 ANSWER 17 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1999:548433 CAPLUS
 TI Elucidating the mechanism of chain termination switching in the
 picromycin/methymycin polyketide synthase
 AU Tang, Li; Fu, Hong; Betlach, Melanie C.; McDaniel, Robert
 SO Chemistry & Biology (1999), 6(8), 553-558

L9 ANSWER 20 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:801708 CAPLUS
 TI Hydroxylation of macrolactones YC-17 and narbomycin is mediated
 by the pklC-encoded cytochrome P450 in Streptomyces venezuelae
 AU Xue, Yongquan; Wilson, Daniel; Zhao, Lishan; Liu, Hung-Wen; Sherman, David
 H.
 SO Chemistry & Biology (1998), 5(11), 661-667

Printed
 L9 ANSWER 21 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:679770 CAPLUS
 TI A gene cluster for macrolide antibiotic biosynthesis in
 Streptomyces venezuelae: architecture of metabolic diversity
 AU Xue, Yongquan; Zhao, Lishan; Liu, Hung-Wen; Sherman, David H.
 SO Proceedings of the National Academy of Sciences of the United States of
 America (1998), 95(21), 12111-12116

L9 ANSWER 22 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1998:624768 CAPLUS
 TI Characterization of the macrolide P-450 hydroxylase from Streptomyces
 venezuelae which converts narbomycin to
 picromycin
 AU Betlach, Melanie C.; Kealey, James T.; Betlach, Mary C.; Ashley, Gary W.;
 McDaniel, Robert
 SO Biochemistry (1998), 37(42), 14937-14942

L9 ANSWER 25 OF 26 CAPLUS COPYRIGHT 2004 ACS on STN
 AN 1997:501482 CAPLUS
 TI Polyhydroxyalkanoate synthase recombinant production and novel pathway for
 polyhydroxyalkanoate synthesis
 IN Sherman, David H.; Williams, Mark D.; Xue, Yongquan
 PA Regents of the University of Minnesota, USA; Sherman, David H.; Williams,
 Mark D.; Xue, Yongquan
 SO PCT Int. Appl., 90 pp.

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9722711	A1	19970626	WO 1996-US20119	19961218
	EP 870053	A1	19981014	EP 1996-944849	19961218
	JP 2000502256	T2	20000229	JP 1997-522970	19961218
	US 6600029	B1	20030729	US 1998-91609	19980619
PRAI	US 1995-8847P	P	19951219		
	WO 1996-US20119	W	19961218		

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 23:53:32 ; Search time 10480 Seconds
(without alignments)
11363.351 Million cell updates/sec

Title: SEQ5-1-2911
Perfect score: 2911
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2888711 seqs, 20454813386 residues

Total number of hits satisfying chosen parameters: 5777422

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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3: gb_in:*
4: gb_om:*
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6: gb_pat:*
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8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*
15: em_ba:*
16: em_fun:*
17: em_hum:*
18: em_in:*
19: em_mu:*
20: em_om:*
21: em_or:*
22: em_ov:*
23: em_pat:*
24: em_ph:*
25: em_pl:*
26: em_ro:*
27: em_sts:*

Aligned SEQ ID NO: 30 (PikAI)
to seq ID NO: 5 (pik cluster).
Used everything 5' of the alignment
to search.
(PikA starts @ 2911 bp of SEQ:5)

28: em_un:*
 29: em_vi:*
 30: em_htg_hum:*
 31: em_htg_inv:*
 32: em_htg_other:*
 33: em_htg_mus:*
 34: em_htg_pln:*
 35: em_htg_rod:*
 36: em_htg_mam:*
 37: em_htg_vrt:*
 38: em_sy:*
 39: em_htgo_hum:*
 40: em_htgo_mus:*
 41: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result			%		Query		DB	ID	Description
	No.	Score	Match	Length					
	1	2911	100.0	37948	1	AF079138		AF079138	Streptomy
	2	430.6	14.8	60196	6	AX697977		AX697977	Sequence
	3	405.8	13.9	834	6	AX698015		AX698015	Sequence
c	4	360	12.4	37948	1	AF079138		AF079138	Streptomy
c	5	346.4	11.9	36270	1	SLLINC		X79146	S.lincoln
	6	324.2	11.1	1446	1	SLLMRBG		X62867	S.lincoln
	7	247.8	8.5	1348	6	E07944		E07944	Mycinomycin
	8	247.8	8.5	2148	1	MPUMYRB		D14532	M.griseorub
	9	221.6	7.6	1163	1	AF462611		AF462611	Micrococc
c	10	197.4	6.8	1348	6	E07944		E07944	Mycinomycin
c	11	197.4	6.8	2148	1	MPUMYRB		D14532	M.griseorub
c	12	179.2	6.2	15100	1	AF492560		AF492560	Corynebac
c	13	178.8	6.1	834	6	AX698015		AX698015	Sequence
c	14	178.8	6.1	60196	6	AX697977		AX697977	Sequence
	15	176.6	6.1	8990	1	CXU21300		U21300	Corynebacte
c	16	176.6	6.1	51409	1	AF024666		AF024666	Corynebac
	17	176	6.0	1810	1	NG2MET		M36726	Plasmid pNG
	18	176	6.0	3123	1	AF338705		AF338705	Corynebac
	19	175	6.0	1517	1	CDERMA		X51472	Corynebacte
	20	175	6.0	4483	1	PLEMNAG		X57320	C. diphther
	21	175	6.0	4524	1	AF411029		AF411029	Propionib
	22	171.6	5.9	2198	1	AF338706		AF338706	Corynebac
	23	164.4	5.6	36270	1	SLLINC		X79146	S.lincoln
c	24	153.8	5.3	1446	1	SLLMRBG		X62867	S.lincoln
c	25	151.2	5.2	1430	1	SEERME1		X51891	Saccharopol
c	26	148.4	5.1	1163	1	AF462611		AF462611	Micrococc
c	27	144.4	5.0	1517	1	CDERMA		X51472	Corynebacte
c	28	144.4	5.0	2198	1	AF338706		AF338706	Corynebac
c	29	144.4	5.0	4483	1	PLEMNAG		X57320	C. diphther
c	30	144.4	5.0	4524	1	AF411029		AF411029	Propionib
	31	143.2	4.9	15100	1	AF492560		AF492560	Corynebac
c	32	142.8	4.9	1810	1	NG2MET		M36726	Plasmid pNG
c	33	142.8	4.9	8990	1	CXU21300		U21300	Corynebacte

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: January 13, 2004, 22:39:56 ; Search time 739 Seconds
(without alignments)
10633.375 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2552756 seqs, 1349719017 residues

Total number of hits satisfying chosen parameters: 5105512

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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- 19: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA1998.DAT:*
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- 23: /SIDS1/gcgdata/geneseq/geneseqn-embl/NA2001B.DAT:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,

and is derived by analysis of the total score distribution.

SUMMARIES

Result			%				DB	ID	Description
	No.	Score	Match	Length	Query				
	1	2911	100.0	37948	21	AAZ87285			S. venezuelae pik
	2	1739.4	59.8	36778	21	AAZ87318			S. venezuelae pik
c	3	1011	34.7	1011	21	AAZ87295			S. venezuelae macr
	4	969	33.3	969	21	AAZ87296			S. venezuelae macr
c	5	360	12.4	37948	21	AAZ87285			S. venezuelae pik
	6	247.8	8.5	1348	15	AAQ67407			MyrB gene DNA, enc
c	7	197.4	6.8	1348	15	AAQ67407			MyrB gene DNA, enc
c	8	185.2	6.4	969	21	AAZ87296			S. venezuelae macr
	9	185.2	6.4	1011	21	AAZ87295			S. venezuelae macr
c	10	185.2	6.4	36778	21	AAZ87318			S. venezuelae pik
	11	134.6	4.6	114955	20	AAX53491			Human adenosine A1
c	12	132.2	4.5	1260	9	AAN81457			carB Gene sequence
c	13	129.4	4.4	114955	20	AAX53491			Human adenosine A1
	14	115	4.0	1260	9	AAN81457			carB Gene sequence
	15	86.8	3.0	154746	24	AAD25519			Human herpesvirus
c	16	86.8	3.0	154746	24	AAD25519			Human herpesvirus
	17	84.6	2.9	5760	24	ABS78661			M. echinospora DNA
c	18	82.2	2.8	3957	22	AAA09686			HSV-2 immediate ea
	19	81.8	2.8	15239	17	AAT33536			BCG deletion regio
c	20	81.8	2.8	4403765	22	AAI99683			Mycobacterium tube
c	21	81.8	2.8	4411529	22	AAI99682			Mycobacterium tube
	22	81.4	2.8	1127	21	AAA02477			Human colon cancer
	23	80.4	2.8	3957	22	AAA09686			HSV-2 immediate ea
c	24	79.6	2.7	5877	24	ABS78681			Kitasatosporia sp.
	25	78.4	2.7	1459	21	AAA02528			Human colon cancer
	26	78.4	2.7	12733	24	ABK98631			Vector pEPEF14 con
	27	78.4	2.7	12739	24	ABK98592			Vector pEPEF1 cont
c	28	77	2.6	1337	20	AAZ17263			Human gene express
	29	75.8	2.6	88421	24	AAL40781			88421nt genomic DN
	30	75.6	2.6	109519	22	AAS08693			Micromonospora DNA
	31	74.2	2.5	2561	22	AAH26500			Rabbit low density
c	32	72.4	2.5	58857	21	AAA58471			Nucleotide sequenc
c	33	71.6	2.5	8438	15	AAQ73500			DNA encoding Pseud
	34	71.6	2.5	12001	16	AAQ76213			HSV L/ST region.
c	35	71.2	2.4	42999	24	ABS65032			Invertebrate forag
	36	71	2.4	712	24	ABQ40858			Oligonucleotide fo
c	37	71	2.4	712	24	ABQ40859			Oligonucleotide fo
	38	70.6	2.4	4411529	22	AAI99682			Mycobacterium tube
c	39	70.2	2.4	109519	22	AAS08693			Micromonospora DNA
c	40	70.2	2.4	125401	22	AAD17186			Streptomyces noûrs
c	41	69.4	2.4	2721	12	AAQ10212			BamHI J-I fragment
c	42	69.4	2.4	2721	12	AAQ10543			BamHI J-I fragment
	43	69.2	2.4	594	24	ABQ43958			Oligonucleotide fo
c	44	69.2	2.4	594	24	ABQ43959			Oligonucleotide fo
	45	69	2.4	4403765	22	AAI99683			Mycobacterium tube

ALIGNMENTS

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OM nucleic - nucleic search, using sw model

Run on: January 14, 2004, 00:31:29 ; Search time 165 Seconds
(without alignments)
7787.068 Million cell updates/sec

Title: SEQ5-1-2911
Perfect score: 2911
Sequence: 1 gggccctcctcacgcgtct.....gcttcggagacggagccgg 2911

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		%					
Result	Query						
No.	Score	Match	Length	DB	ID	Description	
	1	1741	59.8	36778	3	US-09-105-537-5	Sequence 5, Appli
c	2	1011	34.7	1011	3	US-09-105-537-26	Sequence 26, Appl
	3	185.2	6.4	1011	3	US-09-105-537-26	Sequence 26, Appl
c	4	185.2	6.4	36778	3	US-09-105-537-5	Sequence 5, Appli
	5	81.8	2.8	15239	1	US-08-390-878-17	Sequence 17, Appl
c	6	81.8	2.8	4403765	3	US-09-103-840A-2	Sequence 2, Appli
c	7	81.8	2.8	4411529	3	US-09-103-840A-1	Sequence 1, Appli
c	8	71.6	2.5	8438	1	US-07-945-283-1	Sequence 1, Appli
	9	70.6	2.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
	10	70	2.4	12001	1	US-08-458-568A-11	Sequence 11, Appl
c	11	69.4	2.4	2721	6	5215881-2	Patent No. 5215881
	12	69	2.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli

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OM nucleic - nucleic search, using sw model

Run on: January 14, 2004, 03:12:10 ; Search time 1600 Seconds
(without alignments)
6412.866 Million cell updates/sec

Title: SEQ5-1-2911
Perfect score: 2911
Sequence: 1 gggccctcctcacgcgtct.....gcttcggagacggagccgg 2911

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2324096 seqs, 1762381658 residues

Total number of hits satisfying chosen parameters: 4648192

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq2:*
14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result			%		Query		DB	ID	Description
	No.	Score	Match	Length					
	1	2911	100.0	37948	11	US-09-988-384B-5			Sequence 5, Appli
	2	1741	59.8	36778	10	US-09-861-289-5			Sequence 5, Appli
	3	1741	59.8	36778	10	US-09-860-846-5			Sequence 5, Appli
	4	1741	59.8	36778	11	US-09-836-821-5			Sequence 5, Appli
	5	1741	59.8	36778	13	US-10-271-889-48			Sequence 48, Appl
c	6	1011	34.7	1011	10	US-09-861-289-26			Sequence 26, Appl
c	7	1011	34.7	1011	10	US-09-860-846-26			Sequence 26, Appl
c	8	1011	34.7	1011	11	US-09-988-384B-26			Sequence 26, Appl
c	9	1011	34.7	1011	11	US-09-836-821-26			Sequence 26, Appl
c	10	1011	34.7	1011	13	US-10-271-889-26			Sequence 26, Appl
	11	969	33.3	969	11	US-09-988-384B-28			Sequence 28, Appl
	12	430.6	14.8	60196	15	US-10-205-032-1			Sequence 1, Appli
	13	405.8	13.9	834	15	US-10-205-032-39			Sequence 39, Appl
c	14	360	12.4	37948	11	US-09-988-384B-5			Sequence 5, Appli
c	15	185.2	6.4	969	11	US-09-988-384B-28			Sequence 28, Appl
	16	185.2	6.4	1011	10	US-09-861-289-26			Sequence 26, Appl
	17	185.2	6.4	1011	10	US-09-860-846-26			Sequence 26, Appl
	18	185.2	6.4	1011	11	US-09-988-384B-26			Sequence 26, Appl
	19	185.2	6.4	1011	11	US-09-836-821-26			Sequence 26, Appl
	20	185.2	6.4	1011	13	US-10-271-889-26			Sequence 26, Appl
c	21	185.2	6.4	36778	10	US-09-861-289-5			Sequence 5, Appli
c	22	185.2	6.4	36778	10	US-09-860-846-5			Sequence 5, Appli
c	23	185.2	6.4	36778	11	US-09-836-821-5			Sequence 5, Appli
c	24	185.2	6.4	36778	13	US-10-271-889-48			Sequence 48, Appl
c	25	178.8	6.1	834	15	US-10-205-032-39			Sequence 39, Appl
c	26	178.8	6.1	60196	15	US-10-205-032-1			Sequence 1, Appli
	27	86.8	3.0	154746	13	US-09-827-688-8			Sequence 8, Appli
c	28	86.8	3.0	154746	13	US-09-827-688-8			Sequence 8, Appli
	29	83.4	2.9	11058	15	US-10-156-761-3629			Sequence 3629, Ap
c	30	83.4	2.9	9025608	15	US-10-156-761-1			Sequence 1, Appli
c	31	82.2	2.8	3957	13	US-10-200-562-193			Sequence 193, App
c	32	82.2	2.8	3957	13	US-10-237-551-193			Sequence 193, App
	33	80.4	2.8	3957	13	US-10-200-562-193			Sequence 193, App
	34	80.4	2.8	3957	13	US-10-237-551-193			Sequence 193, App
	35	78.6	2.7	5355	15	US-10-205-032-19			Sequence 19, Appl
	36	78.4	2.7	12733	15	US-10-032-393-47			Sequence 47, Appl
	37	78.4	2.7	12739	15	US-10-032-393-8			Sequence 8, Appli
	38	76.6	2.6	3133	12	US-10-292-798-1191			Sequence 1191, Ap
	39	76.6	2.6	3133	13	US-10-017-161-1483			Sequence 1483, Ap
	40	75.8	2.6	88421	10	US-09-976-059-1			Sequence 1, Appli
	41	75.2	2.6	1413	15	US-10-156-761-5135			Sequence 5135, Ap
	42	75.2	2.6	9025608	15	US-10-156-761-1			Sequence 1, Appli
c	43	74.4	2.6	15738	13	US-10-329-079-46			Sequence 46, Appl
c	44	74.4	2.6	61944	13	US-10-329-079-34			Sequence 34, Appl
	45	74.2	2.5	2561	10	US-09-976-740-48			Sequence 48, Appl

ALIGNMENTS

RESULT 1
US-09-988-384B-5

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OM nucleic - nucleic search, using sw model

Run on: January 14, 2004, 00:17:17 ; Search time 5853 Seconds
(without alignments)
12087.875 Million cell updates/sec

Title: SEQ5-1-2911
Perfect score: 2911
Sequence: 1 gggcccctcctcacgcgtct.....gcttccggagacggagccgg 2911

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 22781392 seqs, 12152238056 residues

Total number of hits satisfying chosen parameters: 45562784

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : EST:*
1: em_estba:*
2: em_esthum:*
3: em_estin:*
4: em_estmu:*
5: em_estov:*
6: em_estpl:*
7: em_estro:*
8: em_htc:*
9: gb_est1:*
10: gb_est2:*
11: gb_htc:*
12: gb_est3:*
13: gb_est4:*
14: gb_est5:*
15: em_estfun:*
16: em_estom:*
17: em_gss_hum:*
18: em_gss_inv:*
19: em_gss_pln:*
20: em_gss_vrt:*
21: em_gss_fun:*
22: em_gss_mam:*
23: em_gss_mus:*
24: em_gss_pro:*
25: em_gss_rod:*
26: em_gss_phg:*
27: em_gss_vrl:*
28: gb_gssl:*

29: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result	No.	Score	%		DB	ID	Description
			Query	Match Length			
c	1	133.6	4.6	1309	29	AG077201	AG077201 Pan trogl
c	2	132.8	4.6	1159	29	CC210735	CC210735 CH261-185
c	3	131.6	4.5	1695	29	CC290874	CC290874 CH261-172
c	4	122.8	4.2	1281	12	BG852363	BG852363 1024034A0
c	5	120.6	4.1	1198	29	CC190008	CC190008 CH261-138
c	6	120.6	4.1	1785	29	CC219595	CC219595 CH261-62D
c	7	118	4.1	1516	12	BG809984	BG809984 mgct002xd
	8	117	4.0	1798	29	AG171124	AG171124 Pan trogl
c	9	116.4	4.0	1798	29	AG171124	AG171124 Pan trogl
c	10	116	4.0	1610	29	BZ569386	BZ569386 pacs2-164
c	11	114.6	3.9	1242	12	BM911414	BM911414 AGENCOURT
	12	114.6	3.9	1299	29	AG039481	AG039481 Pan trogl
c	13	114.2	3.9	1121	29	AG062320	AG062320 Pan trogl
	14	113.8	3.9	1016	29	CNS03LU9	AL249930 Tetraodon
c	15	112	3.8	1250	29	AG043469	AG043469 Pan trogl
c	16	111.4	3.8	1288	13	BQ678719	BQ678719 AGENCOURT
	17	111.4	3.8	1651	12	BG809816	BG809816 mgct001xk
	18	110.8	3.8	1169	29	AG032383	AG032383 Pan trogl
c	19	110.4	3.8	1598	29	AG030579	AG030579 Pan trogl
	20	110.2	3.8	1474	29	BZ569821	BZ569821 msh2_1034
c	21	109.6	3.8	1122	29	CC231036	CC231036 CH261-27F
	22	109	3.7	1341	29	AG030611	AG030611 Pan trogl
	23	108.8	3.7	1170	29	AG111669	AG111669 Pan trogl
	24	108.4	3.7	1137	12	BG809979	BG809979 mgct002xd
	25	108.2	3.7	1516	12	BG809984	BG809984 mgct002xd
	26	108	3.7	947	29	AG069825	AG069825 Pan trogl
	27	108	3.7	1052	13	BX354803	BX354803 BX354803
c	28	107.6	3.7	1767	29	CC294031	CC294031 CH261-82A
c	29	107.4	3.7	1116	29	BZ569478	BZ569478 pacs2-164
	30	107	3.7	1321	29	AG126084	AG126084 Pan trogl
	31	106.8	3.7	1121	29	AG062320	AG062320 Pan trogl
	32	106.8	3.7	1160	29	AG043473	AG043473 Pan trogl
	33	106.6	3.7	1116	29	BZ569478	BZ569478 pacs2-164
	34	106.4	3.7	1364	12	BM810045	BM810045 AGENCOURT
c	35	106.4	3.7	1538	29	AG030607	AG030607 Pan trogl
	36	106.4	3.7	1625	29	AG043477	AG043477 Pan trogl
	37	106.2	3.6	1126	29	AG064051	AG064051 Pan trogl
	38	106	3.6	1448	29	CC220110	CC220110 CH261-92F
c	39	105.6	3.6	1136	29	CC292742	CC292742 CH261-185
c	40	105.4	3.6	1700	29	CC298790	CC298790 CH261-106
c	41	105.2	3.6	1370	29	AG072551	AG072551 Pan trogl
	42	105.2	3.6	1538	29	AG030607	AG030607 Pan trogl
	43	104.8	3.6	1369	29	AG081191	AG081191 Pan trogl
c	44	104.4	3.6	1026	29	BZ569417	BZ569417 pacs2-164
	45	104.4	3.6	1309	29	AG077201	AG077201 Pan trogl

WEST Search History

[Hide Items](#)[Restore](#)[Clear](#)[Cancel](#)

DATE: Tuesday, January 13, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=USPT; PLUR=YES; OP=OR</i>		
<input type="checkbox"/>	L7	L6 same (polyketide adj synthase)	14
<input type="checkbox"/>	L6	l3 or picromycin	138
<input type="checkbox"/>	L5	L4 and (polyketide adj synthase)	23
<input type="checkbox"/>	L4	L3 and venezuelae	60
<input type="checkbox"/>	L3	\$methymycin or pikromycin or narbomycin	121
<input type="checkbox"/>	L2	6503741.pn.	1
<input type="checkbox"/>	L1	6265202.pn.	1

END OF SEARCH HISTORY